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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/821,176	03/29/2001	Douglas M. Camens	US010077	4010

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS  
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BRIARCLIFF MANOR, NY 10510

EXAMINER

LESNIEWSKI, VICTOR D

ART UNIT PAPER NUMBER

2152

DATE MAILED: 12/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	09/821,176		CAMENS, DOUGLAS M.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Victor Lesniewski		2152	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 14 October 2005.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. The amendment filed 10/14/2005 has been placed of record in the file.
2. Claims 1, 7, and 12 have been amended.
3. Claims 1-20 are now pending.

### ***Continued Examination Under 37 CFR 1.114***

4. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous office action has been withdrawn pursuant to 37 CFR 1.114. The applicant's submission filed on 10/14/2005 has been entered.

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Namma et al. (U.S. Patent Number 6,182,116), hereinafter referred to as Namma.
7. Concerning claims 1, 7, and 12, Namma did not explicitly state the user operated web browser receiving data directly from the plurality of linked devices that have been selected. Instead, Namma's system utilizes the master control device to multiplex the video streams (data)

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from the linked devices and then send the multiplexed signal to the web browser. In view of Namma, it can be seen that sending the data directly to the web browser from the linked devices is not patentably distinct since it would be a clear alternative in Namma's system to not multiplex the data. If the video streams were not multiplexed, there would be no reason to return the streams through the master control device and it would make sense that the data be returned directly to the web browser. One of ordinary skill in the art would have recognized the alternatives of sending the video data directly to the web browser or sending it to a separate device to be multiplexed before returning it to the web browser. Thus, it would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the system of Namma by adding the ability for the user operated web browser to receive data directly from the plurality of linked devices.

8. Another way to look at Namma's system would include a simple move of the camera control section (see column 21, lines 23-30) from the master control device to the web browser. In this way, the functionality of the system that controls the receiving of the plurality of video streams could be moved from a separate device to the web server itself, allowing for the returned video streams to be sent directly to the web browser. Again, this would have been an obvious alternative in Namma's system since the camera control section functionality already exists and one of ordinary skill in the art would have been aware of such alternatives in designing a network. For example, it was well known that certain network functionality could be carried out on a server, or on the client itself, or even distributed across multiple machines. Thus, in this way also, it would have been obvious to one of ordinary skill in the art at the time of the

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applicant's invention to modify the system of Namma by adding the ability for the user operated web browser to receive data directly from the plurality of linked devices.

9. Thereby, Namma discloses:

- <Claim 1>

A peer distributed, embedded web server system accessing and controlling a multiplicity of devices, comprising: a master control device comprising an embedded web server, peer interface module, and host software (figure 9, item 91); a plurality of linked devices that communicate with, and that are controlled by, said embedded web server of said master control device (figure 9, items 92 and 93), said plurality of linked devices each comprising an interface that communicates with the peer interface module of said master control device to be controlled by said embedded web server (figure 9, items 21 and 31); and means for providing a user operated web browser communicating with said master control device in order to access said plurality of linked devices (figure 9, item 94), wherein said user operated web browser controls said plurality of linked devices through said master control device (column 21, lines 30-43 and 55-62) and said user operated web browser receives data directly from said plurality of linked devices that have been selected (column 21, line 62 through column 22, line 5 and obviousness as discussed above in paragraph 7).

- <Claim 2>

The peer distributed, embedded web server system for accessing and controlling a multiplicity of devices in accordance with claim 1, wherein said peer interface module of said master control device has an addressing capability for communicating individually

with each of the interface modules of said plurality of linked devices (column 21, lines 30-47).

- <Claim 3>

The peer distributed, embedded web server system for accessing and controlling a multiplicity of devices in accordance with claim 1, wherein said master control device and said plurality of linked devices each comprises a device from the group of digital video recorder, digital video encoder, and network camera (column 21, lines 23-30, figure 14, item 2002, and figure 9, items 2002 and 3002).

- <Claim 4>

The peer distributed, embedded web server system for accessing and controlling a multiplicity of devices in accordance with claim 3, wherein each digital video recorder is operatively connected to at least one camera (column 24, lines 39-42).

- <Claim 5>

The peer distributed, embedded web server system for accessing and controlling a multiplicity of devices in accordance with claim 1, wherein said master control device and said linked devices are each operatively connected to at least one camera (figure 14, item 2002 and figure 9, items 2002 and 3002).

- <Claim 6>

The peer distributed, embedded web server system for accessing and controlling a multiplicity of devices in accordance with claim 5, wherein said web browser provides HTTP commands to said master control device for receiving a video stream from at least

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one of said predetermined EWS devices in said EWS system (column 21, line 62 through column 22, line 5).

- <Claim 7>

An embedded web server system for accessing and controlling a multiplicity of devices, comprising: a master control device comprising an embedded web server, peer interface means, and host software (figure 9, item 91); a plurality of linked devices that communicate with, and are controlled by, said embedded web server of said master control device (figure 9, items 92 and 93), said plurality of linked devices each comprising an interface that communicates with the peer interface means of said master control device to be controlled by said embedded web server (figure 9, items 21 and 31); means for providing a user operated web browser for communicating with said master control device in order to access said plurality of linked devices (figure 9, item 94); and at least one camera operatively connected to said master control device, and at least one camera operatively connected to each of said plurality of linked devices (figure 14, item 2002 and figure 9, items 2002 and 3002) wherein said cameras are controlled by said user operated web browser through said master control device (column 21, lines 30-43 and 55-62) and said user operated web browser receives images directly from any of said cameras that have been selected (column 21, line 62 through column 22, line 5 and obviousness as discussed above in paragraph 7).

- <Claim 8>

The embedded web server system for accessing and controlling a multiplicity of devices in accordance with claim 7, wherein said peer interface means of said master control

device has an addressing capability for communicating individually with each of the interfaces of said plurality of linked devices (column 21, lines 30-47).

- <Claim 9>

The embedded web server system for accessing and controlling a multiplicity of devices in accordance with claim 7, wherein said master control device and said plurality of linked devices each comprises a digital video recorder (column 24, lines 39-42).

- <Claim 10>

The embedded web server system for accessing and controlling a multiplicity of devices in accordance with claim 7, wherein said master control device is operatively connected to each of said at least one cameras of said linked devices (figure 9, items 2002 and 3002).

- <Claim 11>

The embedded web server system for accessing and controlling a multiplicity of devices in accordance with claim 10, wherein said web browser provides HTTP commands to said master control device for receiving a video stream from at least one of said predetermined devices in said EWS system (column 21, line 62 through column 22, line 5).

- <Claim 12>

A distributed system for accessing and controlling a multiplicity of devices, comprising: a master control device comprising a peer interface having an embedded web server and host software (figure 9, item 91); a plurality of linked devices that communicate with, and that are controlled by, said embedded web server of said master control device (figure 9,



items 92 and 93), said plurality of linked devices each comprising an interface that communicates with the peer interface module of said master control device allowing control of each said linked device by said embedded web server through said interface (figure 9, items 21 and 31); a web browser (figure 9, item 94) configured to access the master control device and allow the web browser to control said plurality of linked devices through the master control device (column 21, lines 30-43 and 55-62) and directly receive data from each of said plurality of linked devices (column 21, line 62 through column 22, line 5 and obviousness as discussed above in paragraph 7).

- <Claim 13>

The distributed system for accessing and controlling a multiplicity of devices in accordance with claim 12, wherein said peer interface module of said master control device has an addressing capability for communicating individually with each of the interface modules of said plurality of linked devices (column 21, lines 30-47).

- <Claim 14>

The distributed system for accessing and controlling a multiplicity of devices in accordance with claim 12, wherein said master control device and said plurality of linked devices each comprises a device from the group of digital video recorder, digital video encoder, and network camera (column 21, lines 23-30, figure 14, item 2002, and figure 9, items 2002 and 3002).

- <Claim 15>

The distributed system for accessing and controlling a multiplicity of devices in accordance with claim 14, wherein each digital video recorder is operatively connected to at least one camera (column 24, lines 39-42).

- <Claim 16>

The distributed system for accessing and controlling a multiplicity of devices in accordance with claim 12, wherein said master control device and said linked devices are each operatively connected to at least one camera (figure 14, item 2002 and figure 9, items 2002 and 3002).

- <Claim 17>

The distributed system for accessing and controlling a multiplicity of devices in accordance with claim 16, wherein said web browser provides HTTP commands to said master control device for receiving a video stream from at least one of said predetermined EWS devices in said EWS system (column 21, line 62 through column 22, line 5).

- <Claim 18>

The distributed server system for accessing and controlling a multiplicity of devices in accordance with claim 12, further comprising a viewer within web browser that allows each of said linked devices to be viewed by said master control device (column 23, lines 32-36).

- <Claim 19>

The distributed server system for accessing and controlling a multiplicity of devices in accordance with claim 18, further comprising a web page within said web browser allows

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incorporation at least one additional of said linked devices into the distributed server system (column 22, lines 6-28).

- <Claim 20>

The distributed server system for accessing and controlling a multiplicity of devices in accordance with claim 19, wherein said web page provides address entry of said at least one additional of said linked devices and incorporation of said at least one additional of said linked into said viewer (column 22, lines 6-28).

Since Namma discloses all of the above limitations, claims 1-20 are rejected.

### *Conclusion*

10. The prior art made of record and not relied upon is considered pertinent to the applicant's disclosure.

- Zweig (U.S. Patent Number 6,658,325) disclosed a computerized mobile robot with an onboard internet web server which allows a remote user to see what the robot sees by sending video data directly to the user's browser from the onboard web server and from a network camera.
- Marchese (U.S. Patent Number 6,891,566) disclosed a digital video system that includes a computer connected via a network to a number of video servers and cameras where the computer provides a grid of display windows to a user, each window displaying an image received from an associated camera.

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11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor Lesniewski whose telephone number is 571-272-3987.

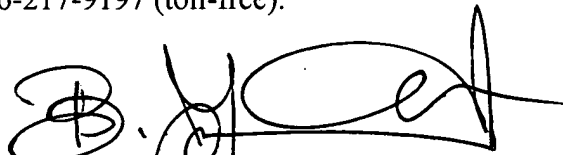
The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571-272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Victor Lesniewski  
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Group Art Unit 2152

  
**BUNJOB JAROENCHONWANIT**  
**PRIMARY EXAMINER**